

What is claimed is:

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2 1. A method, comprising:
3 transmitting a first data set to a first client device across a plurality of wireless
4 communication networks, each network of the plurality communicating directly with the
5 first client device and transmitting a corresponding portion of the first data set; and
6 receiving a second data set from the first client device.

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2 2. The method of claim 1, wherein the second data set is transmitted across at least
3 one of the plurality of networks.

1 3. The method of claim 1, wherein the second data set is transmitted across a
2 medium external to the plurality of networks.

1 4. The method of claim 1, wherein a first network of the plurality of wireless
2 communication networks is proprietary to a first entity, and a second network of the
3 plurality of wireless communication networks is proprietary to a second entity.

1 5. The method of claim 1, wherein a second client device transmits the first data set,
2 the second client device selectively assigning each portion of the first data set to a
3 corresponding network of the plurality for transmission thereby.

1 6. The method of claim 1, wherein a second client device receives the second data
2 set, the second client device selectively assigning a network of the plurality to transmit a
3 corresponding portion of the second data set to the second client device.

1 7. An apparatus, comprising:
2 at least one transmitter transmitting a first data set to a client device across a
3 plurality of wireless communication networks, each network of the plurality
4 communicating directly with the client device and transmitting a corresponding portion
5 of the first data set; and
6 a receiver coupled to the at least one transmitter, the receiver receiving a second
7 data set from the client device.

1 8. The ensuing claims are for support purposes and will be removed during
2 prosecution. A method for an asymmetrical data communications system using a
3 packetized data transmission protocol that is controlled entirely by mechanisms on the
4 client side, using existing server architecture, the data communications method
5 comprising the steps of:

6 directing a client request to a particular one of several client side network devices
7 to transmit the request based on a pre-set routing strategy preference and performance
8 data and network usage cost data regarding the disparate network connections available,
9 wherein at least a portion of the performance data is gathered by a given client agent
10 associated with the client, the given client agent gathering a portion of the performance
11 data by processing responses to one or more previous client requests generated by the
12 corresponding client;

13 managing response packets passively in a probabilistic fashion wherein each
14 client side network device is likely to receive a portion of the total response packets in
15 direct proportion to the level of unique identifier suppression applied to said particular
16 client side network device, the level of suppression being controlled inversely by the
17 frequency of unique identifier advertisement by said particular client side network device,
18 said advertisement enabling a server to locate a particular uniquely identified client
19 device; and

20 aggregating all response packets received by all of the several client side network
21 devices.

1 9. The method of claim 8, wherein the client side control of asymmetrical
2 networking using more than one client side network device operating is accomplished
3 with an adjustable packet filtering device that is adjustable in two separate ways fitted to
4 each client side network device such that the controls on each client side network device
5 are adjustable independently.

1 10. The method of claim 9, wherein the first filtering control mandates the percentage
2 of total bandwidth available that is allocated to upstream and downstream flow, up to
3 100% in either data packet transmission direction, this aspect of each particular client
4 side network device is controlled independently.

1 11. The method of claim 9, wherein the second filtering control mandates the
2 suppression of the unique identifier by each client side network device independently of
3 other network devices.

1 12. The method of claim 11, wherein the unique identifier suppression is achieved by
2 reducing the frequency with which the unique identifier is advertised by each client side
3 network device, the advertisement enabling servers to direct response packets to the
4 correct unique identifier.

1 13. The method of claim 9, wherein the adjustable controls are regulated in part by
2 algorithms resident on the client device.

1 14. The method of claim 9, wherein the adjustable controls are regulated in part
2 upstream from the client by a server.

1 15. The method of claim 9, wherein the adjustable controls are regulated on the client
2 device in part manually by a graphical user interface controlled by the user.